

ipd1200madbvsdTES-10

Defense Information Infrastructure (DII)

Common Operating Environment (COE)

**Software Version Description (SVD) for the
METOC DBDB-V API (MADBV) Segment
of the
Tactical Environmental Support System Next Century
[TESS(NC)]
Meteorology and Oceanography (METOC) Database**

Preliminary Release

Document Version 1.2

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Table of Contents

1	SCOPE.....	1
1.1	Identification	1
1.2	System Overview	1
1.3	Product Information.....	5
1.3.1	Product Qualification.....	5
1.3.2	Product Restrictions	5
1.3.3	Product Dependencies	5
2	REFERENCED DOCUMENTS	6
2.1	Government Documents.....	6
2.2	Non-Government Documents.....	6
3	VERSION DESCRIPTION	7
3.1	Inventory of Materials Released	7
3.2	Inventory of Software Contents	7
3.3	Changes Installed	7
3.4	Waivers	7
3.5	Adaptation Data	7
3.6	Installation Instructions	7
3.7	Possible Problems and Known Errors	8
4	NOTES.....	9
4.1	Glossary of Acronyms.....	9

Appendix A - List of Executables and Environment Files.....A-1

Appendix B - Changes/Updates Since Preliminary ReleaseB-1

Appendix C - Known Problems and Errors.....C-1

List of Figures

1-1	TESS(NC) METOC Database - DII COE Segment View	3
1-2	Distributed APIs via COTS RDBMS Client/Server Functionality	3
1-3	Distributed APIs via DII COE Kernel Services (NFS).....	4

1 SCOPE

1.1 Identification

This Software Version Description (SVD) describes the Meteorology and Oceanography (METOC) Digitized Bathymetric Data Base – Variable resolution (DBDB-V) Application Program Interface (API) (MADBV) segment, Version 1.1.1, of the Tactical Environmental Support System Next Century [TESS(NC)] METOC Database. The MADBV segment provides APIs for the retrieval of historical data. This software is designed to run under the Defense Information Infrastructure (DII) Common Operating Environment (COE), release 3.1, on a Hewlett-Packard computer running HP-UX 10.20 or a personal computer running the Microsoft Windows NT 4.0 operating system with Service Pack 3.

1.2 System Overview

The APIs described in this document form a portion of the METOC Database component of the TESS(NC) Program (Navy Integrated Tactical Environmental Subsystem (NITES) Version I). On 29 October 1996, the Oceanographer of the Navy issued a TESS Program Policy statement in letter 3140 Serial 961/6U570953, modifying the Program by calling for five seamless software versions that are DII COE compliant, preferably to level 5.

The five versions are:

- NITES Version I The local data fusion center and principal METOC analysis and forecast system (TESS(NC))
- NITES Version II The subsystem on the Joint Maritime Command Information System (JMCIS) or Global Command and Control System (GCCS) (NITES/Joint METOC Segment (JMS))
- NITES Version III The unclassified aviation forecast, briefing, and display subsystem tailored to Naval METOC shore activities (currently satisfied by the Meteorological Integrated Data Display System (MIDDS))
- NITES Version IV The Portable subsystem composed of independent PCs/workstations and modules for forecaster, satellite, communications, and Integrated Command, Control, Communications, Computer, and Intelligence Surveillance Reconnaissance (IC4ISR) functions (currently the Interim Mobile Oceanographic Support System (IMOSS))
- NITES Version V Foreign Military Sales (currently satisfied by the Allied Environmental Support System (AESS))

NITES I acquires and assimilates various METOC data for use by US Navy and Marine Corps weather forecasters and tactical planners. NITES I provides these users with METOC data, products, and applications necessary to support the warfighter in tactical operations and decision making. NITES I provides METOC data and products to NITES I and II applications, as well as to non-TESS(NC) systems requiring METOC data, in a heterogeneous, networked computing environment.

The TESS(NC) Concept of Operations and system architecture require that the METOC Database be distributed both in terms of application access to METOC data and products and in terms of physical location of the data repositories. The organizational structure of the database is influenced by these requirements, and the components of this distributed database are described below.

In accordance with DII COE database concepts, the METOC Database is currently composed of five DII COE-compliant *shared database* segments and one DII COE-compliant data segment. Associated with each shared database and data segment is an API segment. This organization is shown in Figure 1-1. The segments are arranged by data type as follows:

<u>Data Type</u>	<u>Data Segment</u>	<u>API Segment</u>
Grid Fields	MDGRID	MAGRID
Latitude-Longitude-Time (LLT) Observations	MDLLT	MALLT
Textual Observations and Bulletins	MDTXT	MATXT
Remotely Sensed Data	MDREM	MAREM
Imagery	MDIMG	MAIMG
Historic Bathymetry Data	MDDBV	MADBV

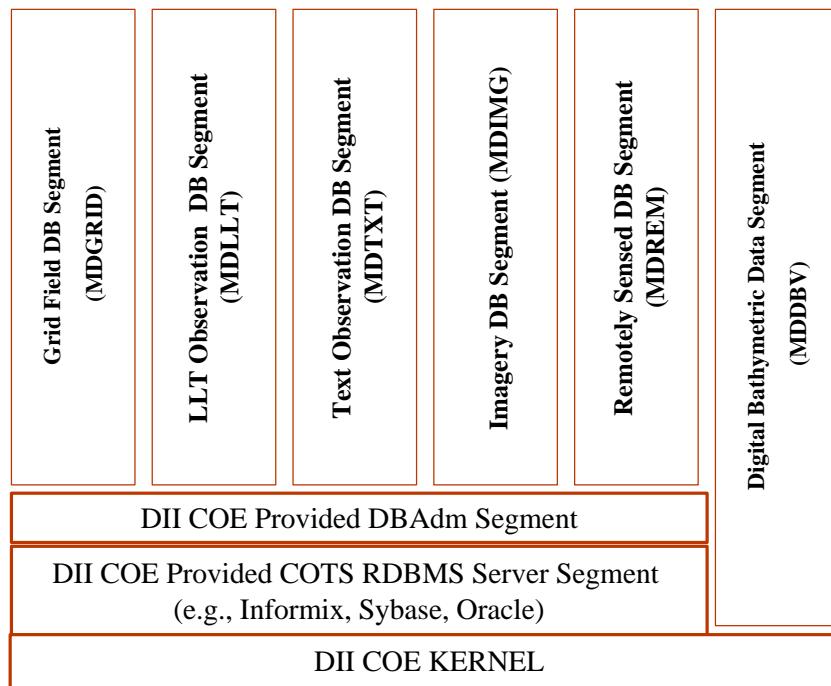


Figure 1-1. TESS(NC) METOC Database - DII COE Segment View

Typical client-server installations access shared database segments via a COTS RDBMS client/server as shown in Figure 1-2. This shows the shared database segments residing on a DII COE SHADE database server, with a NITES I or NITES II client machine hosting the API segments. Communication between API segments and shared database segments is accomplished over the network using ANSI-standard Structured Query Language (SQL).

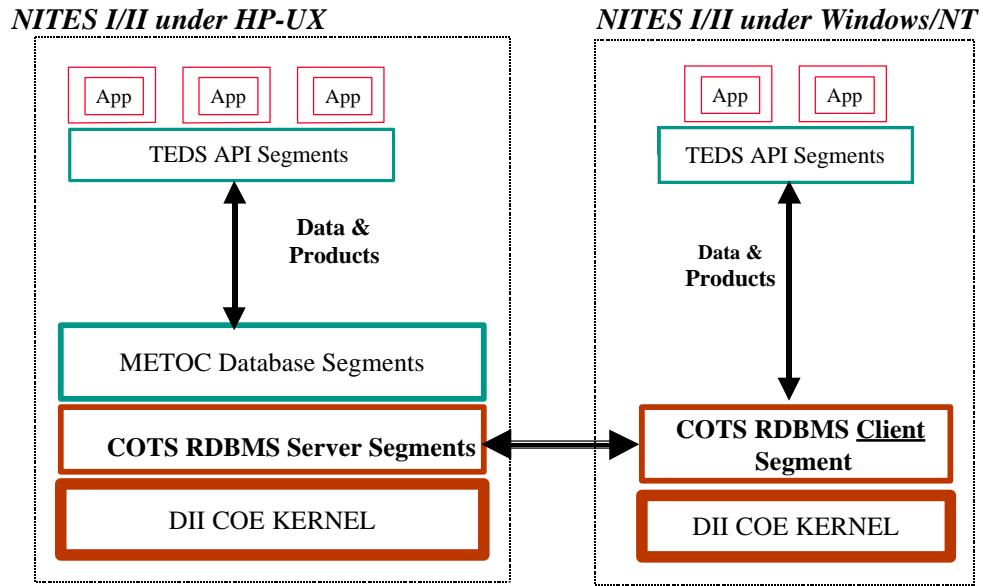


Figure 1-2. Distributed APIs via COTS RDBMS Client/Server Functionality

Data Segments are static files of historic data. DII COE data segments are available over a distributed network via DII COE Kernel Service (NFS). In this case, the data segments are accessed directly by the distributed APIs (Figure 1-3). The platform running the applications needing the data must first mount the file system containing the data segment. The remote system may then access the data from the mounted drive using NFS services. Access to the mounted drive is then transparent to the application/API utilizing the data.

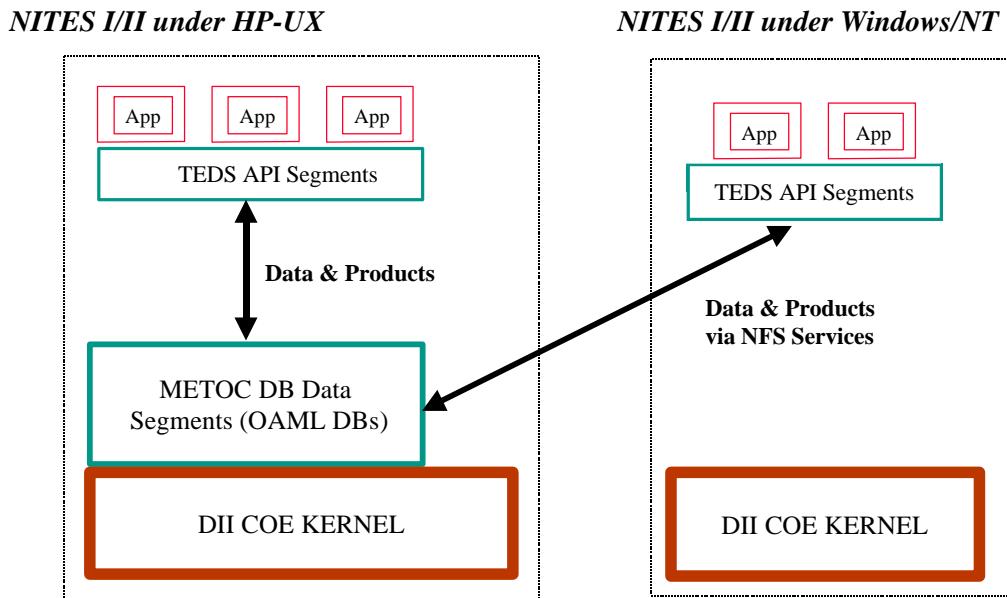


Figure 1-3. Distributed APIs via DII COE Kernel Services (NFS)

The MADBV segment deals with historic bathymetry data. The data are generated from the Oceanographic and Atmospheric Master Library (OAML) DBDB-V data and provide global water depth at various resolutions throughout the world.

1.3 Product Information

1.3.1 Product Qualification

Test and Evaluation (T&E) of the software was performed at IPD's Middletown, RI facility prior to delivery of the software.

1.3.2 Product Restrictions

IPD's intellectual property rights to deliverables defined in this document are covered by the copyright license under the clause in DFARS 252.227-7013 (Nov. 1995).

1.3.3 Product Dependencies

The MADBV segment is hosted on the following hardware:

- Tactical Advanced Computer, TAC-3 (HP 750/755)/TAC-4 (HP J210)
- IBM-Compatible Personal Computer (PC)

The operating system requirements are:

- TAC-3/TAC-4: HP-UX 10.20
- PC: Windows NT 4.0 with Service Pack 3

The kernel requirements are:

- TAC-3/TAC-4: Kernel 3.0.1.0 with patches through P4
- PC: N/A

The following software must be properly installed prior to loading the MADBV segment:

- Appropriate operating system (as described above),
- Appropriate DII COE Kernel (as described above),
- METOC DBDB-V Data Segment (MDDBV) installed on a DII COE database server.

2 REFERENCED DOCUMENTS

2.1 Government Documents

Unnumbered 30 September 1997	<i>Database Design Description for the Tactical Environmental Support System/Next Century [TESS(NC)] Meteorological and Oceanographic (METOC) Database</i> , Space and Naval Warfare Systems Command, Environmental Systems Program Office (SPAWAR PMW-185), Washington, DC
ipd1100madbvipTES-10 2 October 1998	<i>Installation Procedures (IP) for the METOC DBDB-V API (MADBV) Segment of the Tactical Environmental Support System Next Century [TESS(NC)] Meteorology and Oceanography (METOC) Database</i>
ipd1100madbvrmtES-10 2 October 1998	<i>Application Program Interface Reference Manual (APIRM) for the METOC DBDB-V API (MADBV) Segment of the Tactical Environmental Support System Next Century [TESS(NC)] Meteorology and Oceanography (METOC) Database</i>
ipd1100madbvpmtES-10 2 October 1998	<i>Programming Manual (PM) for the METOC DBDB-V API (MADBV) Segment of the Tactical Environmental Support System Next Century [TESS(NC)] Meteorology and Oceanography (METOC) Database</i>

2.2 Non-Government Documents

None.

3 VERSION DESCRIPTION

3.1 Inventory of Materials Released

All physical media and associated documentation for the MADBV segment are listed below.

- MADBV segment v1.1.1 (HP-UX) Installation Tape (4 mm DAT cartridge for TAC-3/TAC-4 hardware)
- MADBV segment v1.1.1 (Windows NT) Installation diskette(s) (3.5" High Density diskette, IBM format for Windows NT 4.0 with Service Pack 3)
- MADBV segment v1.1.1 SVD, dated 2 October 1998.

3.2 Inventory of Software Contents

A list of all executables and environment files delivered is contained in Appendix A of this document.

3.3 Changes Installed

A list of changes installed is contained in Appendix B of this document.

3.4 Waivers

There are no waivers associated with this software.

3.5 Adaptation Data

There are no unique-to-site data contained in the MADBV 1.1.1 release.

3.6 Installation Instructions

The MADBV Segment v1.1 series IP referenced in Section 2 of this document provide comprehensive installation instructions for the MADBV segment. The fully installed segment occupies approximately 1.23 MB of disk space on HP-UX machines and 1.11 MB on Windows NT machines. On TAC-3/TAC-4 machines, the software requires a minimum of 128 MB of RAM, with 192 MB recommended. On Windows NT machines, the software requires a minimum of 32 MB of RAM, with 128 MB recommended.

3.7 Possible Problems and Known Errors

Known problems and errors with MADBV software are listed in Appendix C of this document.

4 NOTES

4.1 Glossary of Acronyms

AESS	Allied Environmental Support System
API	Application Program Interface
APIRM	API Reference Manual
COE	Common Operating Environment
DBDB-V	Digitized Bathymetric Data Base - Variable resolution
DII	Defense Information Infrastructure
GCCS	Global Command and Control System
IC4ISR	Integrated Command, Control, Communications, Computer, and Intelligence Surveillance Reconnaissance
IMOSS	Interim Mobil Oceanographic Support System
IP	Installation Procedures
JMCIS	Joint Maritime Command Information System
JMS	Joint METOC Segment
LLT	Latitude-Longitude-Time
MADBV	METOC DBDB-V API Segment of the TESS(NC) METOC Database
MDDBV	METOC DBDB-V Data Segment of the TESS(NC) METOC Database
METOC	Meteorology and Oceanography
MIDDS	Meteorological Integrated Data Display System
NITES	Navy Integrated Tactical Environmental Subsystem
OAML	Oceanographic and Atmospheric Master Library

PC	Personal Computer
PM	Programming Manual
SQL	Structured Query Language
SVD	Software Version Description
T&E	Test and Evaluation
TESS(NC)	Tactical Environmental Support System Next Century

Appendix A - List of Executables and Environment Files

A.1 File Structure for HP-UX Delivery

```
/h/MADBV
total 16
drwxrwxr-x 2 sysadmin COE      24 Sep 10 21:45 data
drwxrwxr-x 2 sysadmin COE    1024 Sep 15 19:52 Scripts
drwxrwxr-x 2 sysadmin COE    1024 Sep 15 19:52 include
drwxrwxr-x 3 sysadmin COE    1024 Sep 15 19:52 man
drwxrwxr-x 2 sysadmin COE    1024 Sep 15 19:52 lib
drwxrwxr-x 2 sysadmin COE    1024 Sep 15 19:52 bin
drwxrwxr-x 3 sysadmin COE    1024 Sep 15 19:53 Integ
drwxrwxr-x 2 253     COE    1024 Sep 29 01:53 SegDescrip

/h/MADBV/data
total 0

/h/MADBV/Scripts
total 0

/h/MADBV/bin
total 170
-r-xr-xr-x 1 sysadmin COE  86121 Sep 15 16:50 libMADBVAPI.sl

/h/MADBV/include
total 26
-rrr--- 1 sysadmin COE    768 Sep 15 16:50 MADBVDefines.h
-rrr--- 1 sysadmin COE    250 Sep 15 16:50 MADBVExp.h
-rrr--- 1 sysadmin COE   3792 Sep 15 16:50 MADBVAPI.h
-rrr--- 1 sysadmin COE    620 Sep 15 16:50 MADBVDef.h
-rrr--- 1 sysadmin COE   1841 Sep 15 16:50 MADBVErr.h
-rrr--- 1 sysadmin COE   3721 Sep 15 16:50 MADBVProto.h

/h/MADBV/Integ
total 4
-rw-rw-r-- 1 sysadmin COE    267 Sep 15 17:06 VSOutput
drwxrwxrwx 3 sysadmin COE   1024 Sep 19 13:30 TestSuite

/h/MADBV/lib
total 1136
-rrr--- 1 sysadmin COE  566514 Sep 15 16:50 libMADBVAPI.a

/h/MADBV/man
total 2
drwxrwxr-x 2 sysadmin COE    1024 Sep 15 19:52 man3

/h/MADBV/SegDescrip
total 22
-rw-r--- 1 253     COE    371 Sep 15 16:50 ReleaseNotes
-rw-r--- 1 253     COE    491 Sep 15 16:50 SegName
-rw-r--- 1 253     COE    183 Sep 15 16:50 VERSION
-rwxr-xr-x 1 253     COE    168 Sep 15 16:50 DEINSTALL
-rwxr-xr-x 1 253     COE    358 Sep 15 16:50 PostInstall
-rw-r--- 1 253     COE    297 Sep 15 16:57 SegInfo
-rw-rw-r-- 1 253     COE   3003 Sep 15 16:57 FileAttribs
-rw-rw-rw- 1 root     COE    119 Sep 15 17:06 Validated
```

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```
-rw-rw-rw-  1 root      other   133  Sep 15 19:53 Installed

/h/MADBV/man/man3
total 38
-r--r--r--  1 sysadmin COE    1859  Sep 15 16:50 MADBVFreeContours.3
-r--r--r--  1 sysadmin COE    2560  Sep 15 16:50 MADBVGGetCatalog.3
-r--r--r--  1 sysadmin COE    1698  Sep 15 16:50 MADBVDDisconnect.3
-r--r--r--  1 sysadmin COE    1913  Sep 15 16:50 MADBVConnect.3
-r--r--r--  1 sysadmin COE    2761  Sep 15 16:50 MADBVGGetContours.3
-r--r--r--  1 sysadmin COE    2778  Sep 15 16:50 MADBVGGetTrack.3
-r--r--r--  1 sysadmin COE    3381  Sep 15 16:50 MADBVGGetGrid.3

/h/MADBV/Integ/TestSuite
total 776
-rwxrwxrwx  1 sysadmin COE   37098 Sep 15 16:50 MADBVtestGetCatalog_d
-rwxrwxrwx  1 sysadmin COE   28771 Sep 15 16:50 MADBVtestGetCatalog_l
-rwxrwxrwx  1 sysadmin COE   41200 Sep 15 16:50 MADBVtestGetContours_d
-rwxrwxrwx  1 sysadmin COE   36970 Sep 15 16:50 MADBVtestGetContours_l
-rwxrwxrwx  1 sysadmin COE   41201 Sep 15 16:50 MADBVtestGetTrack_d
-rwxrwxrwx  1 sysadmin COE   90397 Sep 15 16:50 MADBVtestGetTrack_l
-rwxrwxrwx  1 sysadmin COE   45294 Sep 15 16:50 MADBVtestGetGrid_d
-rwxrwxrwx  1 sysadmin COE   65759 Sep 15 16:50 MADBVtestGetGrid_l
-rwxrwxrwx  1 sysadmin COE   2351  Sep 15 16:50 MADBV_TEST.README
drwxrwxrwx  5 sysadmin COE   1024  Sep 15 19:53 TESTDATA

/h/MADBV/Integ/TestSuite/TESTDATA
total 6
drwxrwxrwx  2 sysadmin COE   1024  Sep 15 19:53 TRACK
drwxrwxrwx  2 sysadmin COE   1024  Sep 15 19:53 CONTOUR
drwxrwxrwx  2 sysadmin COE   1024  Sep 15 19:53 GRID

/h/MADBV/Integ/TestSuite/TESTDATA/TRACK
total 20
-rwxrwxrwx  1 sysadmin COE    143  Sep 15 16:50 track1
-rwxrwxrwx  1 sysadmin COE    143  Sep 15 16:50 track
-rwxrwxrwx  1 sysadmin COE    146  Sep 15 16:50 track2
-rwxrwxrwx  1 sysadmin COE    143  Sep 15 16:50 track3
-rwxrwxrwx  1 sysadmin COE    145  Sep 15 16:50 track4
-rwxrwxrwx  1 sysadmin COE    145  Sep 15 16:50 track5
-rwxrwxrwx  1 sysadmin COE    143  Sep 15 16:50 x_resolution_track
-rwxrwxrwx  1 sysadmin COE    142  Sep 15 16:50 track6
-rwxrwxrwx  1 sysadmin COE    143  Sep 15 16:50 x_units_track
-rwxrwxrwx  1 sysadmin COE    143  Sep 15 16:50 x_LatLon

/h/MADBV/Integ/TestSuite/TESTDATA/CONTOUR
total 20
-rwxrwxrwx  1 sysadmin COE    98   Sep 15 16:50 atlantic_ocean
-rwxrwxrwx  1 sysadmin COE    99   Sep 15 16:50 east_coast_us
-rwxrwxrwx  1 sysadmin COE   100   Sep 15 16:50 equator_contour
-rwxrwxrwx  1 sysadmin COE   100   Sep 15 16:50 international_dateline_contour
-rwxrwxrwx  1 sysadmin COE    96   Sep 15 16:50 india
-rwxrwxrwx  1 sysadmin COE    97   Sep 15 16:50 italy
-rwxrwxrwx  1 sysadmin COE   101   Sep 15 16:50 west_coast_us
-rwxrwxrwx  1 sysadmin COE    99   Sep 15 16:50 japan
-rwxrwxrwx  1 sysadmin COE    95   Sep 15 16:50 med_sea
-rwxrwxrwx  1 sysadmin COE    96   Sep 15 16:50 meridian

/h/MADBV/Integ/TestSuite/TESTDATA/GRID
total 22
```

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```
-rwxrwxrwx 1 sysadmin COE    134 Sep 15 16:50 grid
-rwxrwxrwx 1 sysadmin COE    131 Sep 15 16:50 international_dateline_grid
-rwxrwxrwx 1 sysadmin COE    130 Sep 15 16:50 somewhere
-rwxrwxrwx 1 sysadmin COE    127 Sep 15 16:50 somewhere1
-rwxrwxrwx 1 sysadmin COE    130 Sep 15 16:50 equator_grid
-rwxrwxrwx 1 sysadmin COE    129 Sep 15 16:50 south_somewhere
-rwxrwxrwx 1 sysadmin COE    129 Sep 15 16:50 x_switched_lat
-rwxrwxrwx 1 sysadmin COE    129 Sep 15 16:50 top_of_world
-rwxrwxrwx 1 sysadmin COE    129 Sep 15 16:50 x_resolution_grid
-rwxrwxrwx 1 sysadmin COE    129 Sep 15 16:50 x_switched_long
-rwxrwxrwx 1 sysadmin COE    129 Sep 15 16:50 x_units_grid
```

A.2 File Structure for Windows NT Delivery

```
\h\MDBV
total 6
drwxr-xr-x 10 0 everyone 0 Sep 15 15:21 SegDescrip
drwxr-xr-x 5 0 everyone 0 Sep 15 15:21 Integ
drwxr-xr-x 6 0 everyone 0 Sep 15 15:22 Bin
drwxr-xr-x 6 0 everyone 0 Sep 15 15:22 lib
drwxr-xr-x 10 0 everyone 0 Sep 15 15:22 include
drwxr-xr-x 5 0 everyone 0 Sep 15 15:22 man
-rw-r--r-- 1 0 everyone 11108 Sep 15 15:22 Uninst.isu

\h\MDBV\Integ
total 0
drwxr-xr-x 14 0 everyone 0 Sep 15 15:21 TestSuite

\h\MDBV\SegDescrip
total 6
-rw-r--r-- 1 0 everyone 299 Jun 25 11:10 SegInfo.txt
-rwxr-xr-x 1 0 everyone 186 Jun 25 11:11 DEINSTALL.bat
-rwxr-xr-x 1 0 everyone 294 Jun 25 11:12 PostInstall.bat
-rw-r--r-- 1 0 everyone 491 Jun 29 16:56 SegName.txt
-rw-r--r-- 1 0 everyone 183 Sep 10 15:22 VERSION.txt
-rw-r--r-- 1 0 everyone 371 Sep 10 15:25 ReleaseNotes.txt

\h\MDBV\BIN
total 30
-rw-r--r-- 1 0 everyone 44032 Sep 15 13:55 MADBVAPI.dll
-rw-r--r-- 1 0 everyone 16048 Sep 15 13:55 MADBVAPI.lib

\h\MDBV\lib
total 85
-rw-r--r-- 1 0 everyone 164610 Sep 15 13:55 MADBVAPI.lib
-rw-r--r-- 1 0 everyone 6196 Sep 15 13:55 testUtils.lib

\h\MDBV\include
total 8
-rw-r--r-- 1 0 everyone 250 May 22 10:18 MADBVExp.h
-rw-r--r-- 1 0 everyone 3792 Jul 20 12:11 MADBVAPI.h
-rw-r--r-- 1 0 everyone 620 Jul 28 12:22 MADBVDef.h
-rw-r--r-- 1 0 everyone 3721 Jul 28 12:22 MADBVProto.h
-rw-r--r-- 1 0 everyone 768 Aug 18 15:18 MADBVDefines.h
-rw-r--r-- 1 0 everyone 1841 Sep 15 11:37 MADBVERr.h

\h\MDBV\man
total 0
drwxr-xr-x 11 0 everyone 0 Sep 15 15:22 man3

\h\MDBV\Integ\TestSuite
total 443
-rw-r--r-- 1 0 everyone 2351 Aug 05 11:28 MADBV_TEST.README
-rwxr-xr-x 1 0 everyone 23716 Sep 15 13:55 MADBVtestGetCatalog_d.exe
-rwxr-xr-x 1 0 everyone 176720 Sep 15 13:56 MADBVtestGetCatalog_l.exe
-rwxr-xr-x 1 0 everyone 29200 Sep 15 13:56 MADBVtestGetTrack_d.exe
-rwxr-xr-x 1 0 everyone 221876 Sep 15 13:56 MADBVtestGetTrack_l.exe
-rwxr-xr-x 1 0 everyone 28312 Sep 15 13:56 MADBVtestGetGrid_d.exe
```

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```
-rwxr-xr-x 1 0 everyone 205104 Sep 15 13:56 MADBVtestGetGrid_1.exe
-rwxr-xr-x 1 0 everyone 26900 Sep 15 13:56 MADBVtestGetContours_d.exe
-rwxr-xr-x 1 0 everyone 181160 Sep 15 13:56 MADBVtestGetContours_l.exe
drwxr-xr-x 7 0 everyone 0 Sep 15 15:22 TestData
```

```
\h\MADB\man\man3
total 11
-rw-r--r-- 1 0 everyone 2560 Aug 04 13:04 MADBVGetCatalog.3
-rw-r--r-- 1 0 everyone 1698 Aug 04 13:04 MADBVDisconnect.3
-rw-r--r-- 1 0 everyone 1859 Aug 04 13:04 MADBVFreeContours.3
-rw-r--r-- 1 0 everyone 1913 Aug 04 13:04 MADBVConnect.3
-rw-r--r-- 1 0 everyone 2761 Aug 04 13:04 MADBVGetContours.3
-rw-r--r-- 1 0 everyone 3381 Aug 04 13:04 MADBVGetGrid.3
-rw-r--r-- 1 0 everyone 2778 Aug 04 13:04 MADBVGetTrack.3
```

```
\h\MADB\Integ\TestSuite\TestData>
total 0
drwxr-xr-x 14 0 everyone 0 Sep 15 15:22 Track
drwxr-xr-x 14 0 everyone 0 Sep 15 15:22 Contour
drwxr-xr-x 15 0 everyone 0 Sep 15 15:22 Grid
```

```
\h\MADB\INTEG\TestSuite\TESTDATA\Grid
total 11
-rw-r--r-- 1 0 everyone 129 Aug 04 13:03 top_of_world
-rw-r--r-- 1 0 everyone 134 Aug 04 13:03 grid
-rw-r--r-- 1 0 everyone 131 Aug 04 13:03 international_dateline_grid
-rw-r--r-- 1 0 everyone 130 Aug 04 13:03 somewhere
-rw-r--r-- 1 0 everyone 127 Aug 04 13:03 somewhere1
-rw-r--r-- 1 0 everyone 130 Aug 04 13:03 equator_grid
-rw-r--r-- 1 0 everyone 129 Aug 04 13:03 x_units_grid
-rw-r--r-- 1 0 everyone 129 Aug 04 13:03 x_resolution_grid
-rw-r--r-- 1 0 everyone 129 Aug 04 13:03 x_swapped_lat
-rw-r--r-- 1 0 everyone 129 Aug 04 13:03 x_swapped_long
-rw-r--r-- 1 0 everyone 129 Aug 04 17:01 south_somewhere
```

```
\h\MADB\INTEG\TestSuite\TESTDATA\Contour
total 10
-rw-r--r-- 1 0 everyone 101 Aug 04 13:03 west_coast_us
-rw-r--r-- 1 0 everyone 99 Aug 04 13:03 east_coast_us
-rw-r--r-- 1 0 everyone 100 Aug 04 13:03 equator_contour
-rw-r--r-- 1 0 everyone 96 Aug 04 13:03 india
-rw-r--r-- 1 0 everyone 100 Aug 04 13:03 international_dateline_contour
-rw-r--r-- 1 0 everyone 97 Aug 04 13:03 italy
-rw-r--r-- 1 0 everyone 99 Aug 04 13:03 japan
-rw-r--r-- 1 0 everyone 95 Aug 04 13:03 med_sea
-rw-r--r-- 1 0 everyone 96 Aug 04 13:03 meridian
-rw-r--r-- 1 0 everyone 98 Aug 04 13:03 atlantic_ocean
```

```
\h\MADB\INTEG\TestSuite\TESTDATA\Track
total 10
-rw-r--r-- 1 0 everyone 143 Aug 04 13:03 track
-rw-r--r-- 1 0 everyone 143 Aug 04 13:03 track1
-rw-r--r-- 1 0 everyone 146 Aug 04 13:03 track2
-rw-r--r-- 1 0 everyone 145 Aug 04 13:03 track4
-rw-r--r-- 1 0 everyone 145 Aug 04 13:03 track5
-rw-r--r-- 1 0 everyone 143 Aug 04 13:03 track3
-rw-r--r-- 1 0 everyone 143 Aug 04 13:03 x_LatLon
-rw-r--r-- 1 0 everyone 143 Aug 04 13:03 x_resolution_track
-rw-r--r-- 1 0 everyone 143 Aug 04 13:03 x_units_track
```

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-rw-r--r-- 1 0 everyone 142 Aug 04 17:01 track6

Appendix B - Changes/Updates Since Preliminary Release

This release made the following changes:

Pri	PTR #	Summary
2	182	When executing APIs in batch mode, not all entries are being checked.
3	180	Extra contours on the east coast of New England.
3	205	The environmental variable MDDBV_HOME is not being set during installation.

Appendix C - Known Problems and Errors

Pri	PTR #	Summary
3	181	If you enter in 0 or 180 for the bearing in track, the last point is wrong.

The detailed PTR is contained on the following page.

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